

VirtualViewer®

Documentum D2 Integration Deployment Guide



DOC-0200-01

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Chapter 1 - Deployment Notes

Prerequisite

The prerequisite to integrate VirtualViewer HTML5 and Documentum D2 is a working D2 application.

Note:

Please back up all the files before the changes listed below are applied.

Steps to Deploy the Viewer

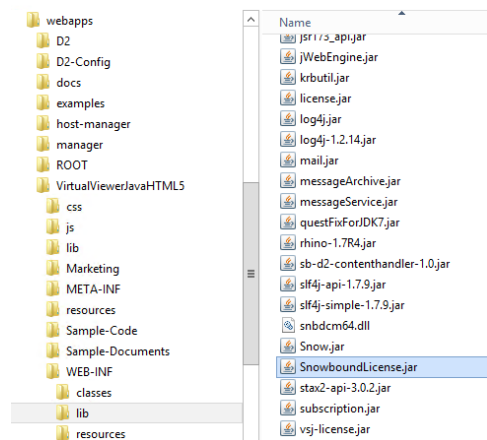
1. Download the **VirtualViewerJavaHTML5.war** and decompress it

Artifact: **VirtualViewerJavaHTML5.war**

2. Verify and copy the latest Snowbound license JAR. The license file should be named **SnowboundLicense.jar**. Any suffix after “**SnowboundLicense**” in the filename must be truncated. It is only added to provide additional information for quick reference.

Artifact: **SnowboundLicense.jar**

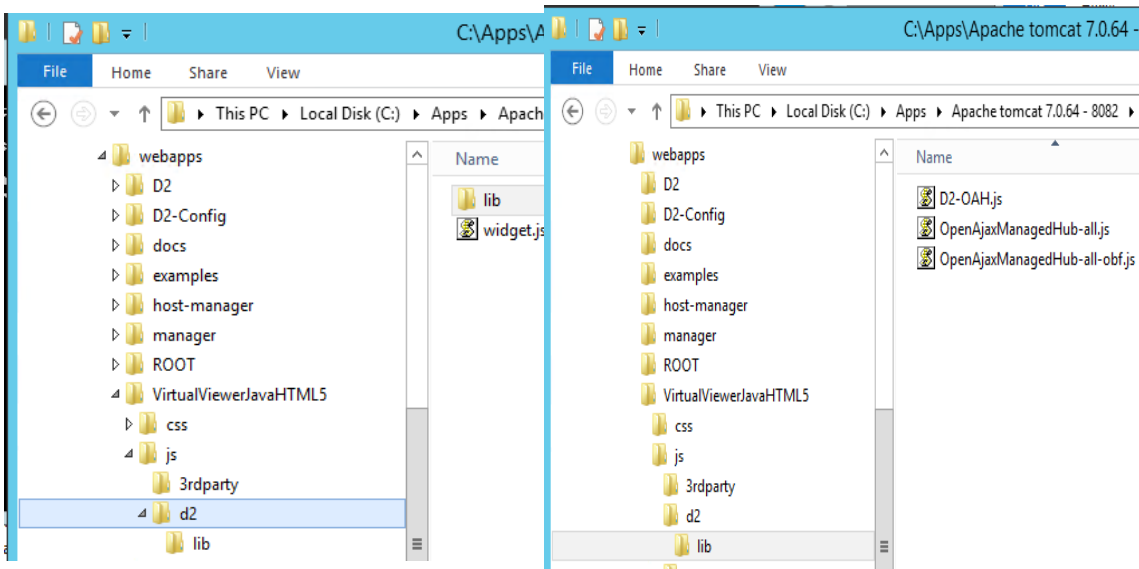
To: \\tomcat\webapps\VirtualViewerJavaHTML5\WEB-INF\lib



3. Verify and copy the **Javascript** files of the widget to:

Artifact: **d2.zip**

To: \\tomcat\webapps\VirtualViewerJavaHTML5\js\d2



4. Verify and copy the **d2_index.html** file.

Artifact: **d2_index.zip**

To: \\tomcat\webapps\VirtualViewerJavaHTML5

5. Verify and copy the **web.xml**.

Artifact: **web.xml.zip**

To: \\tomcat\webapps\VirtualViewerJavaHTML5\WEB-INF

Review the **web.xml** to ensure that the URL references accurately reflect the application server & port.

```

<web-app>
  <servlet>
    <servlet-name>AjaxServlet</servlet-name>
    <servlet-class>com.snowbound.ajax.servlet.AjaxServlet</servlet-class>
    <init-param>
      <param-name>codebase</param-name>
      <param-value>http://localhost:8080/VirtualViewerJavaHTML5</param-value>
    </init-param>
    <!--Separate content server not available in evaluations -->
    <init-param>
      <param-name>servletURL</param-name>
      <param-value>http://localhost:8080/VirtualViewerJavaContentServer</param-value>
    </init-param>
    <init-param>
      <param-name>contentType</param-name>
      <param-value>integrated</param-value>
    </init-param>
    <init-param>
      <param-name>contentHandlerClass</param-name>
      <param-value>com.snowbound.dctm.servlet.RepositoryContentHandler</param-value>
    </init-param>
  </servlet>

```

6. Verify and copy all jars to the LIB folder.

Artifact: **lib.zip**

To: \\tomcat\webapps\VirtualViewerJavaHTML5\WEB-INF\lib

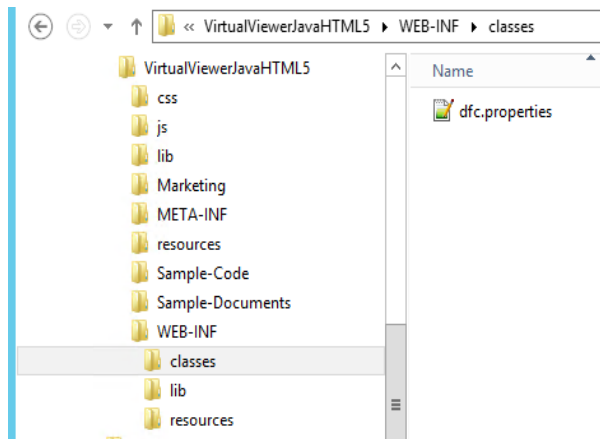
Note:

Please do not overwrite any conflicts.

7. Verify and copy the classes folder.

Artifact: **classes.zip**

To: \\tomcat\webapps\VirtualViewerJavaHTML5\WEB-INF

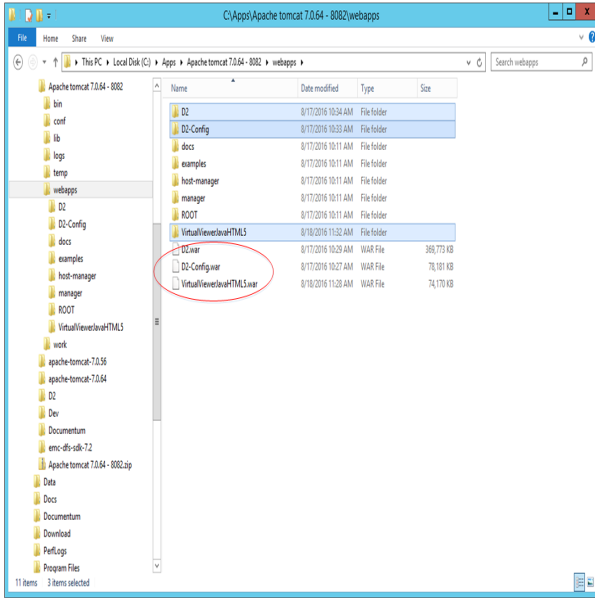


8. Update the **dfc.properties** file to identify the **docbroker/docbase** in your environment.

Location: \\tomcat\webapps\VirtualViewerJavaHTML5\WEB-INF\classes\dfc.properties.

9. Package the updated WAR and deploy it where D2 & D2-Config are running.

Artifact: **VirtualViewerJavaHTML5.war**



Chapter 2 - Configuring Documentum Repository

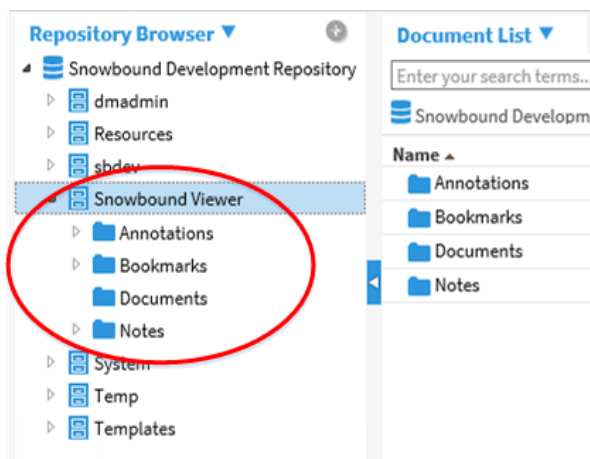
1. Execute the DQL on the repository where the VirtualViewer will access the documents.

Artifact: **sb_viewer_relation_types.zip**

2. Create the following Cabinet and folders in the Documentum Repository:

Cabinet: **Snowbound Viewer**

Folders: **Annotations, Bookmarks, Documents, Notes**



3. Ensure that the ACL's are set appropriately for these folders:
 - Users with read access to documents accessed by the VirtualViewer must have READ privileges to this cabinet and to all the objects created underneath this cabinet
 - Users with privileges to read/collaborate/export the documents accessed by the VirtualViewer must have WRITE privileges to this cabinet and to all the objects created underneath this cabinet

Chapter 3 - Configuring Viewer Widget in D2-Config

1. Log in to the **D2-Config application** and navigate to Widget View – Widget... menu. Create a new widget with the following configuration:
2. Set the **Name**, **Description**, **Label en** and **Description en** fields.
3. Set the Widget type as **External Widget**.

The screenshot shows the 'Properties' dialog for a widget configuration. The fields are as follows:

- Name**: WGSB Virtual Viewer
- Parent name**: WGS Virtual Viewer 2
- Description**: Snowbound Virtual Viewer widget.
- Applications**: Snowbound Viewer
- Label en**: Snowbound Virtual View
- Description en**: Snowbound Virtual View
- Widget type**: ExternalWidget

4. Set the Widget url to the start page of the Virtual Viewer servlet and add the **USER** and **DOCBASE** parameters to the url:

```
http://<host>:<port>/VirtualViewerJavaHTML5/d2_index.html?user=$LOGIN&docbase=$DOCBASE
```

Using the **\$LOGIN** and **\$DOCBASE** placeholders D2 will provide at runtime the values for the current logged in user and the name of the docbase.

5. Check the box Bidirectional communication.
6. (Optional) provide a preview image file that will be displayed in D2 Client widget selection page.

Widget url:

Bidirectional communication:

Unload Protect:

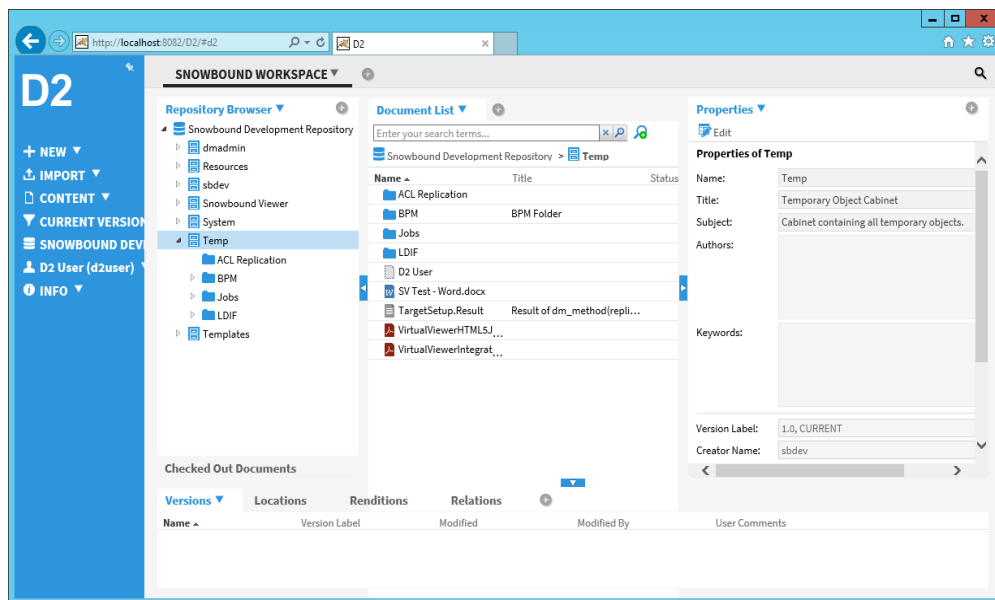
Communication channel:

D2_ACTION_AEROBAT_ANNOTATION_OPEN		D2_ACTION_DM_TICKET_GENERATE
D2_ACTION_ADVANCED_SEARCH		D2_EVENT_DM_TICKET_GENERATED
D2_ACTION_ADVANCED_SEARCH_CATEGORY_DIALOG		D2_EVENT_SELECT_OBJECT
D2_ACTION_CLIPBOARD_CHANGED		
D2_ACTION_CLIPBOARD_CONTENT		
D2_ACTION_CLIPBOARD_GET		
D2_ACTION_COMMENT		
D2_ACTION_COMPONENT_NATIVE_ACTION		
D2_ACTION_CONTENT_ANNOTATE_NATIVE_ANNOTATION		
D2_ACTION_CONTENT_CANCEL_CHECKOUT		

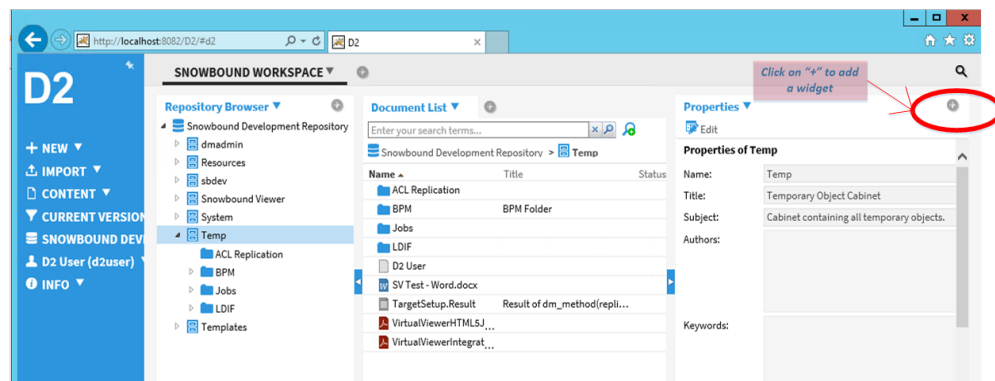
Preview file (200x150):

Chapter 4 - Validation in D2

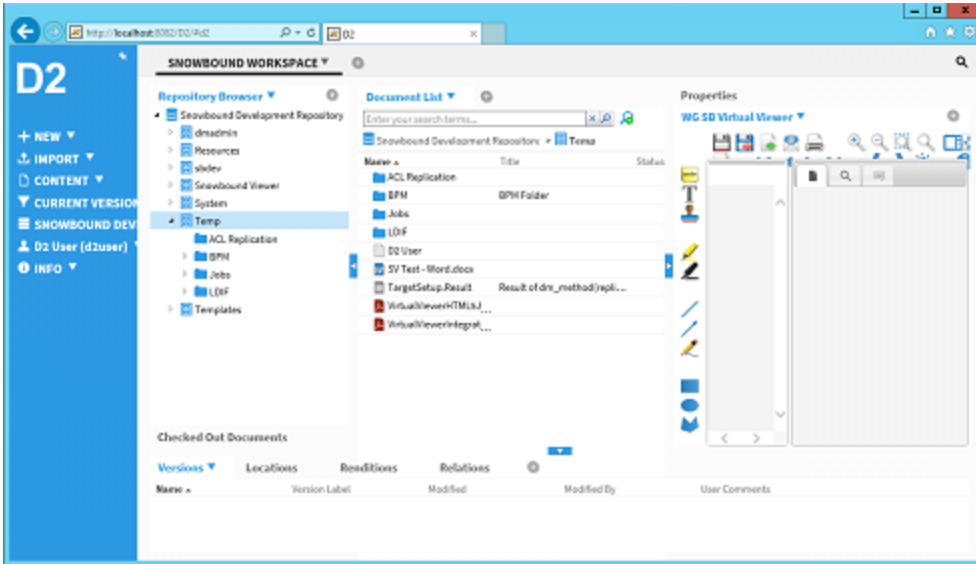
1. Ensure that the Viewer widget has been configured as external widget in D2-Config (Please see the previous section).
2. Login to the **D2 Application**.



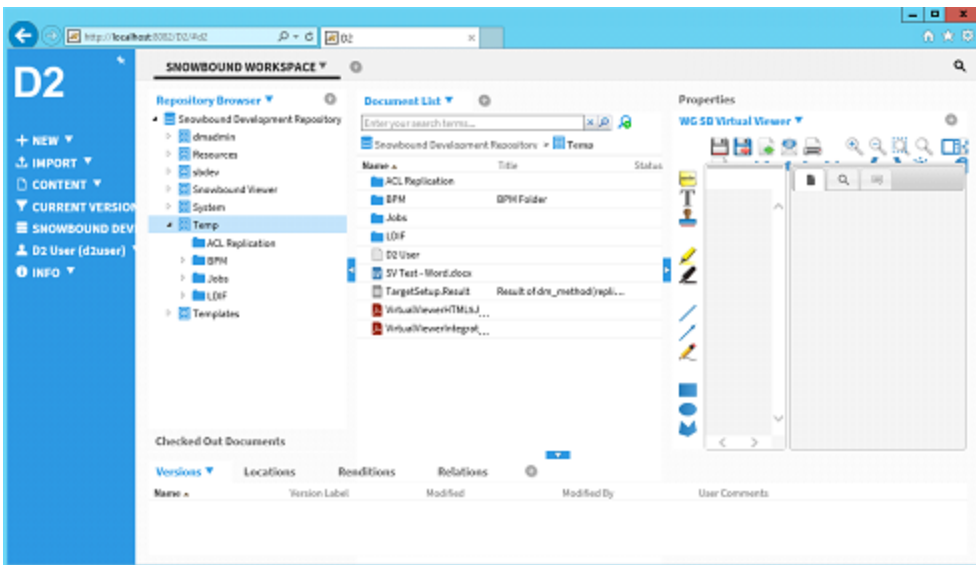
3. Open the widget gallery to select **widgets** from.



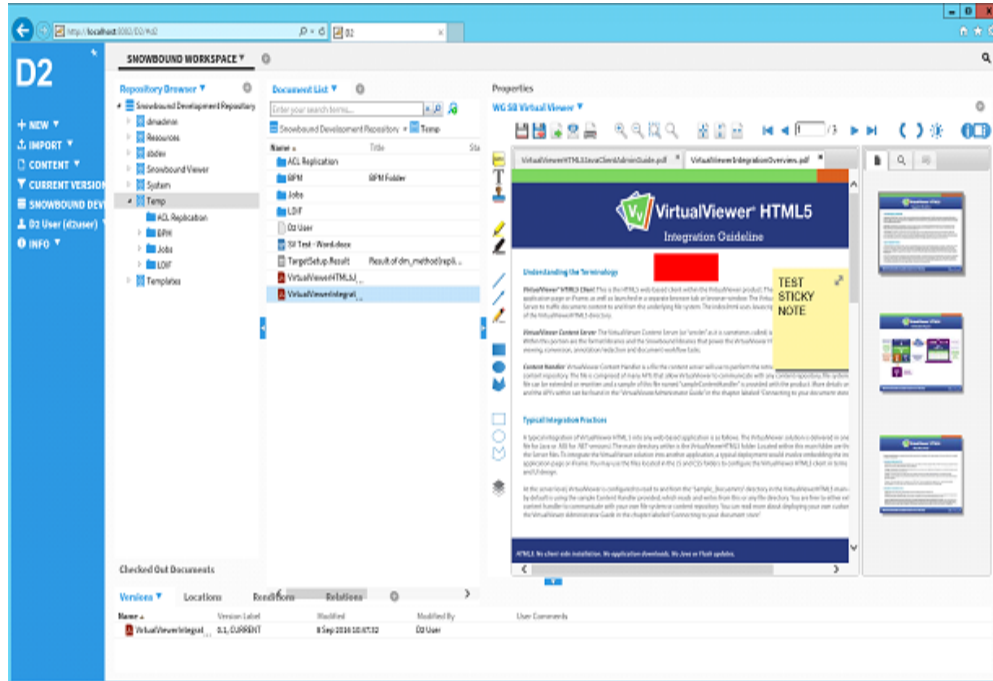
4. Select the **VirtualViewer** widget.



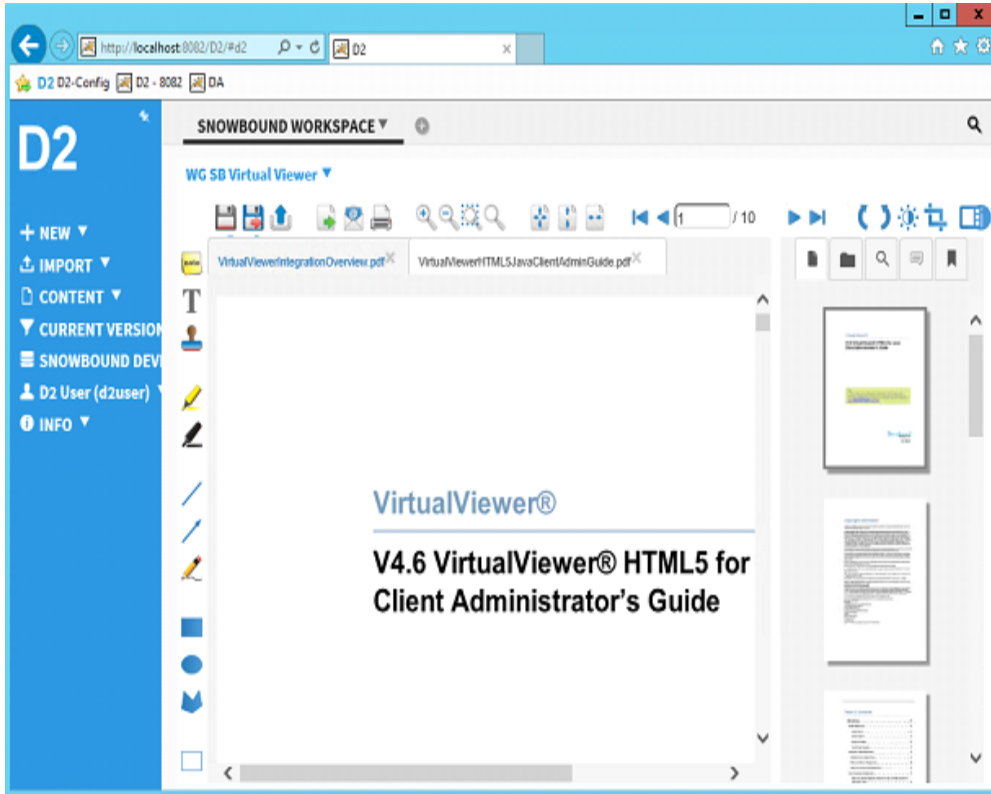
5. The widget should be loaded.



6. Select a **document** to view in the viewer.

**Note:**

Please note that the first document that is opened might take few additional seconds to load. This is effectively to allow for the viewer to retrieve the session first time and load the document.



Chapter 5 - Testing Environment

Content Server

Software	Version
Operating System	Win Server 2012 R2 Std/64bit
JDK	1.7.0_17/64bit
7.2.0150.0283	6.7.2000.0039, 7.1.0270.0382

Database

Software	Version
Operating System	Win Server 2012 R2 Std/64bit
Database	Oracle 12.1.0.2.0

Application Server

Software	Version
Operating System	Win Server 2012 R2 Std/64bit
1.7.0_72/64bit, 1.8.0_77/64bit	1.7.0_72/64bit, 1.8.0_77/64bit
Tomcat	7.0.33, 7.0.41
Webtop	6.7.2000.0036, 6.81.0000.0137
